

Plate 14. MARINE DIATOMS FROM THE CAPE VERDE ISLANDS

Source of Material

Material from the Cape Verde Islands, northwest coast of Sao Vincente (16° 54' N; 25° 02' W) on calcareous algae, Bryozoans. Depth was 35-40 meters. Sample taken with a 1.2 meter Agassiz trawl. Date: June 21st, 1982.

The above description was received with the sample from Hans van den Heuvel, Leiden on March 17th, 1988.

Plate Fourteen:

- 1-2 *Lyrella robertsiana* (Greville) Mann in Round, Crawford and Mann 1990. See Hustedt (1927-1966, fig. 1544a-c). Exterior of valve; fig. 1 in high focus, fig. 2 in low focus.
- 3 *Lyrella approximata* (Greville) Mann in Round, Crawford and Mann 1990. See Hendeby (1970, pl. 2, fig. 13).
- 4 *Dictyoneis jamaicensis* (Greville) Cleve 1890 . See Cleve (1894-1895, pl. 5, fig. 32) and Greville in Williams (1988, pl. 45, figs. 9-10).
- 5 *Oestrupia powellii* var. *egyptiaca* (Greville) Heiden in Schmidt et al. 1906, of a specimen from the selected slide HC 3746. See Greville in Williams (1988, pl. 44, figs. 11-12) given as *Navicula egyptiaca*.
- 6-7 *Triceratium reticulum* Ehrenberg 1974. See Desikachary (1989, pl. 803, fig. 2), given as *Trigonium reticulum* (Ehrenberg) Simonsen.
- 8-9 *Surirella fastuosa* Deby in Mills 1935. See Paddock (1985) for variations.
- 10 *Diploneis cynthia* (Schmidt in Schmidt et al.) Cleve 1894. See Schmidt's Atlas (1874-1959, pl. 8, fig. 41).
- 11 *Diploneis vacillans* (Schmidt in Schmidt et al.) Cleve 1894. See Foged (1978, pl. 24, fig. 9) given as *D. vacillans* var. *renitens*.
- 12 *Diploneis papula* var. *constricta* Hustedt, 1937. See Hustedt (1937, fig. 1071d). Also Foged (1985, pl. 17, fig. 10) and Foged (1985, pl. 10, fig. 1).
- 13 *Diploneis fusca* (Gregory) Cleve 1894, of a specimen from selected slide HC 3739. See Schmidt's Atlas (1874-1959, pl. 7, fig. 4); also Gregory (1857, pl. 9, fig. 15) given as *Navicula smithii* var. *fusca*.

- 14-15 *Diploneis diplosticta* (Grunow in Schmidt et al.) Hustedt, 1937 . Schmidt's Atlas (1874-1959, pl. 13, figs. 25-30).
- 16 *Diploneis mediterranea* (Grunow in Schmidt et al.) Cleve 1894. See Hustedt (1937, fig. 1014a).
- 17 *Oestrupia delecta* (A. Mann) Stidolph comb. nov. The specimen figured here corresponds to the illustration of "Navicula delecta" A. Mann (1925, pl. 24, fig. 5). "Navicula delecta" Meister (1937, pl. 10, fig. 4) is a different species and is therefore a heterotypic synonym. The species shown here does not belong to the genus *Navicula* sensu stricto, but to *Oestrupia* and is here formally renamed *Oestrupia delecta* (A. Mann) Stidolph, with *Navicula delecta* A. Mann (1925, pl. 24, fig. 5) as the basionym.
- 18 *Diploneis sp. indet.*. This species matches Schmidt's Atlas (1874-1959, pl. 13, figs. 4, 6), identified as "Navicula" (*Diploneis*) *gemina*. According to VanLandingham (1968b, p. 2561) this equates to *Diploneis bombus*, but there are major structural differences. This also applies to *D. didyma* (Witkowski, Lange-Bertalot, and Metzeltin, 2000, pl. 87, fig. 17-19).
- 19 *Diploneis chinensis* Cleve 1894. See Cleve (1894-1895, pl. 1, fig. 25).
- 20-21 *Surirella fastuosa* Deby in Mills 1935. See Paddock (1985, pl. 5, fig. 33).
- 22 *Diploneis lineata* (Donkin) Cleve 1894. See Schmidt's Atlas (1874-1959, pl.7, fig. 44); also Van Heurck (1896, p. 195, pl. 26, fig. 737).
- 23 *Diploneis prisca* (Schmidt in Schmidt et al.) Cleve 1894. See Schmidt's Atlas (1874-1959, pl. 12, figs. 67-68).
- 24 *Diploneis subcincta* (Schmidt) Cleve 1894. See Hustedt (1937, fig. 1072b).
- 25 *Campylodiscus imperialis* Greville 1860. See Greville (1860, pl. 1, fig. 3); also Schmidt's Atlas (1874-1959, pl. 53, figs. 5, 7).

Magnifications: figs. 1-2: x750; fig. 25: x500; all others: x1000

Scale Bar: scale bar is 40 microns for the figs. 1-2; 60 microns for fig. 25; 30 microns for all figures at x1000

